Panasonic

Digital Cordless Phone

Operating Instructions

PLEASE READ BEFORE USE AND SAVE.

Caller ID Compatible

Charge the batteries for about 4 hours before initial use.

This equipment is not designed for making emergency telephony calls when the power fails. Alternative arrangements should be made for access to emergency services.

Important Information

APPROVED for connection to telecommunication systems specified in the instructions for use subject to the conditions set out in them.

610109

Do not connect the AC adaptor to any AC outlet other than the standard AC 230–240 V, 50 Hz.

- Outlet voltage DC1 8 V, 300 mA
  Outlet voltage DC2 9 V, 200 mA
- The apparatus is approved for use with the KX-TCA9E or KX-TCA11E power supply.
- CAUTION: Do not remove cover. Live parts inside.

This apparatus has been approved for the use of the following facilities:

1) Storage of names and telephone numbers in the phonebook for retrieval
2) Last number redial
3) Simple telephone facility
4) PBX earth register recall (option)
   PBX timed break register recall
5) MF signalling
6) LD signalling
7) Pause
8) 1 way paging
9) Call prohibition
10) Call restriction
11) Direct call
12) Intercom between handsets
13) Transferring a call from one handset to another
14) Conference
15) Setting the call waiting tone
16) Accessing the base unit
17) Caller ID service compatible

Any other usage will invalidate the approval of the apparatus if as a result, it then ceases to conform to the standards against which approval was granted.

Ringer Equivalence Number (REN):
This relates to the performance of the apparatus when used in combination with other items of apparatus. It enables the calculation of the maximum number of items of apparatus that may be connected simultaneously to the line by summing the REN values of each item. A BT supplied instrument has a REN value of 1 unless otherwise marked.

A maximum REN value of 4 should not be exceeded. The REN value of this apparatus is 1.

Method of connection
This is connected to the exchange line or PABX/PMBX (Private Automatic/Manual Branch Exchange) extension by the new standard British Telecom plug and socket. Arrangements for provision of this type of termination can be made through the nearest British Telecom Sales Office. The apparatus may be connected to the following types of installation. The apparatus has been approved for use under the following conditions:

a) This apparatus may be used on telecommunication systems employing LD and MF signalling. It is suitable for connection to a direct exchange line on the PSTN (Public Switched Telephone Network) or via a compatible PBX (Private Branch Exchange). (Contact the supplier for an up to date list of compatible PBX's.)
b) This apparatus is not suitable as an extension to a payphone or for use on a party line with shared service.

This cordless telephone has been designed to operate on radio frequencies which have been assigned to the exclusive use of cordless telephones. As the use of cordless telephones becomes more widespread users may experience a reduction in the quality of service obtainable from this apparatus.

Although this equipment can use either loop disconnected or DTMF signalling, only the performance of the DTMF signalling is subject to regulatory requirements for correct operation. It is therefore strongly recommended that the equipment is set to use DTMF signalling for access to public or private emergency services. DTMF signalling also provides faster call set up.

999 or 112 can be dialled on the apparatus for the purposes of making outgoing calls to the BT Emergency (999 or 112) Service.

WARNING:
The apparatus may be unable to make emergency 999 or 112 telephone calls, under certain conditions, e.g.

- Radio interference caused by another cordless telephone operating on the same radio frequency.
- The portable handset battery needs recharging, or has failed.
- The portable handset cannot be used while charging.

Any cases of difficulty should be referred in the first instance to the supplier of the apparatus.

NOTE:
If you experience any problems with the normal use of your apparatus, you should unplug it from the telephone outlet and connect a known working telephone in its place. If the known working telephone still gives problems, then please contact the customer service department of your PSTN operator. If it operates properly, then the problem is likely to be a fault in your apparatus. In this case, contact your supplier for advice. Your PSTN operator may charge you if they attend a service call that is not due to apparatus supplied by them.

Before Initial Use

Thank you for purchasing your new Panasonic digital cordless telephone.

Caller ID, where available, is a telephone company service. After subscribing to Caller ID, this phone will display the caller's phone number.

For your future reference

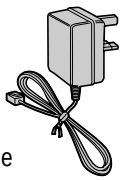
Serial No. _____ Date of purchase _____

(found on the bottom of the unit)

Name and address of dealer _____

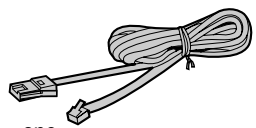
Included with this unit

☐ AC Adaptor (p. 10)
Part No. KX-TCA9E or KX-TCA11E



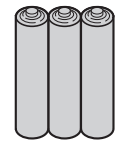
one

☐ Telephone Line Cord (p. 10)
Part No. PQJA87S



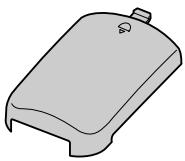
one

☐ Battery (p. 9)
Part No. Panasonic P-03H (BYD PQP25AAA)



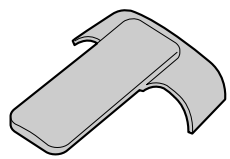
three

☐ Handset Cover (p. 9)
Part No. PQKK10091Z2



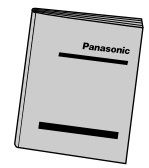
one

☐ Belt Clip (p. 55)
Part No. PQKE10071Z2



one

☐ Operating Instructions
Part No. PQQX12192Z

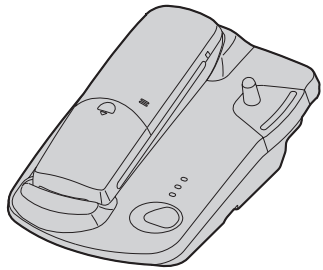


one

For Best Performance

Battery Charge

Rechargeable Ni-Cd batteries power the handset. Install the batteries (p. 9) and charge them for about **4 hours** before initial use (p. 11).

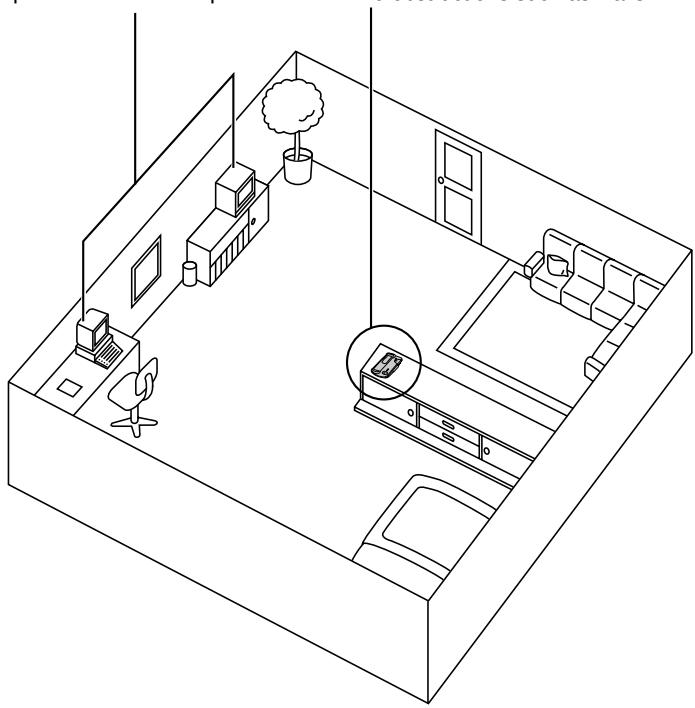


Base Unit Location

Calls are transmitted between the base unit and the handset using wireless radio waves. **For maximum distance and noise-free operation**, the recommended base unit location is:

Away from electrical appliances such as a TV, radio, personal computer or another telephone.

In a HIGH and CENTRAL location with no obstructions such as walls.



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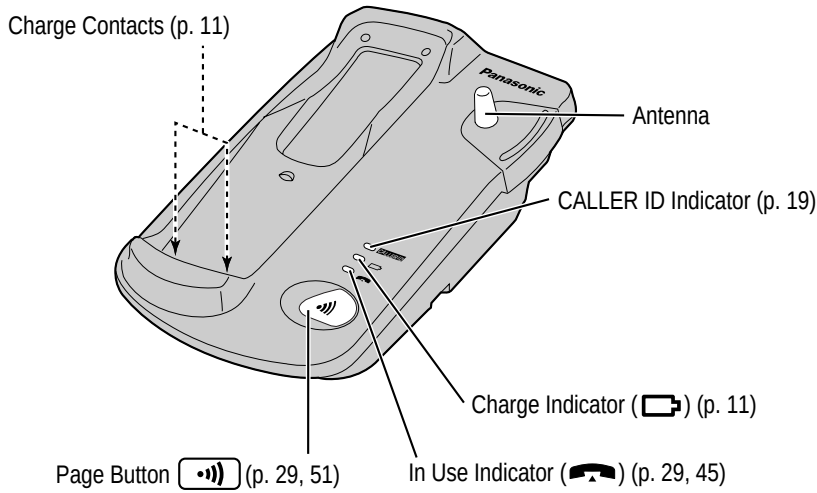
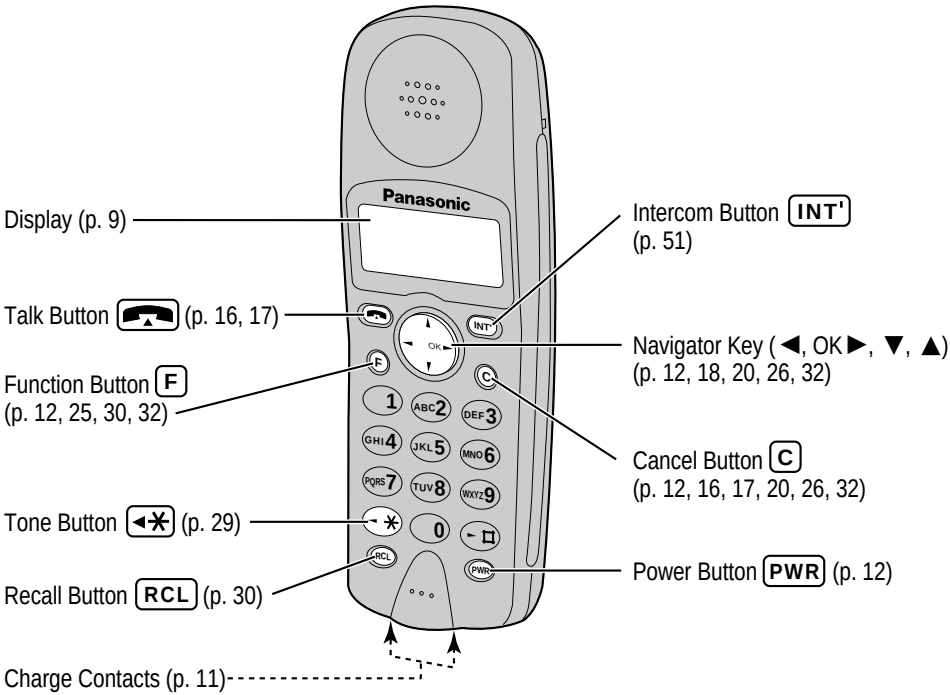
Location of Controls

Base unit



Handset


Display (p. 9)
Talk Button (p. 16, 17)
Function Button F (p. 12, 25, 30, 32)
Tone Button (p. 29)
Recall Button RCL (p. 30)
Charge Contacts (p. 11)
Intercom Button INT' (p. 51)
Navigator Key (◄, OK►, ▼, ▲) (p. 12, 18, 20, 26, 32)
Cancel Button C (p. 12, 16, 17, 20, 26, 32)
Power Button PWR (p. 12)

Display

Icons

The in range icon indicates that the handset is in range of the base unit. It flashes when the handset is out of range.

The page/intercom icon is displayed when paging or using the intercom. It flashes when another unit pages the handset.

The talk icon is displayed when making or answering calls. It flashes when an outside call is being received.

The call prohibition icon is displayed when this mode is turned on (p. 37).

The Caller ID icon is displayed when viewing the Caller List (p. 20) or "Private ring" is set in the phonebook (p. 24).

The phonebook icon is displayed when storing or viewing the phonebook items (p. 24).

The battery icon indicates the battery strength (p. 11).

Characters

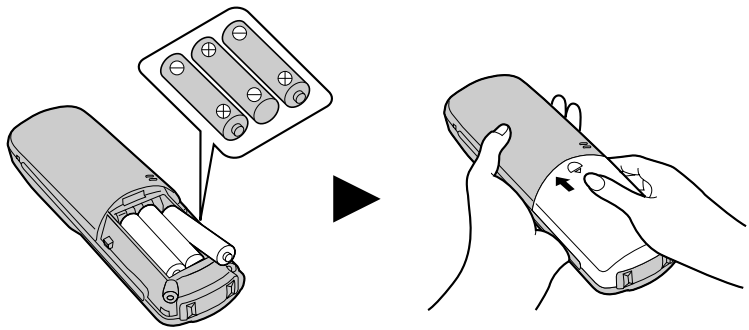
P "Pause" is selected while dialling (p. 28).

F RCL is pressed while dialling.

Settings

Installing the Batteries in the Handset

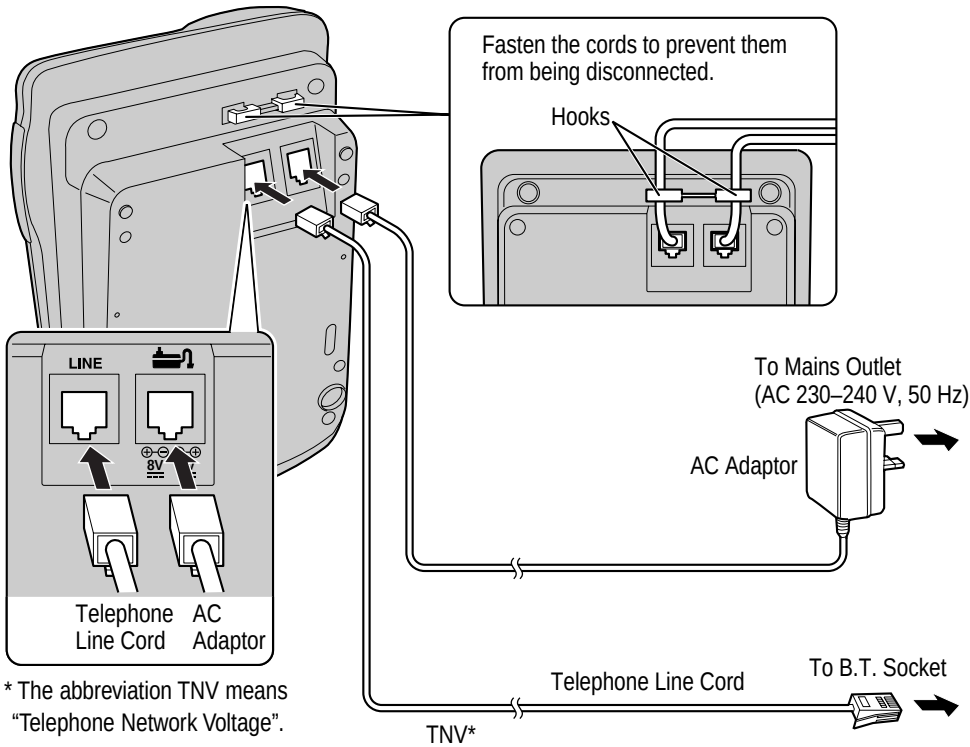
Install the batteries as shown. Then install the handset cover.



• If the rechargeable batteries are not inserted correctly, the handset will not work.

Connections

Plug in the AC adaptor and the telephone line cord to the bottom of the unit. Then connect the cords as shown.



* The abbreviation TNV means "Telephone Network Voltage".

- USE ONLY WITH Panasonic AC ADAPTOR KX-TCA9E OR KX-TCA11E.
- Be careful not to confuse the telephone line jack with the AC adaptor jack on the base unit. If connected improperly, the base unit will not work and damage may occur.
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- To connect a standard telephone on the same line, see page 60.
- If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.

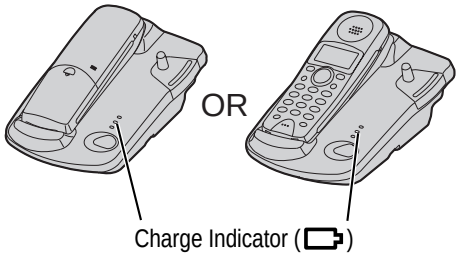
CONNECTION OF POWER SUPPLY

This apparatus is intended for use when powered by the KX-TCA9E or KX-TCA11E.
Using other power supplies will invalidate any approval given to this apparatus.

Battery Charge

At the time of shipment, the batteries are not charged. To charge, place the handset on the base unit. Please charge the batteries for about **4 hours** before initial use.

- The charge indicator ( ) lights.



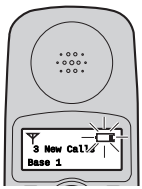
Battery strength

You can check the present battery strength on the display.

Battery strength	Fully charged	Medium	Low	No power
Battery icon				(Flashing)

Recharge

When " " flashes or the unit beeps every 15 seconds, recharge the batteries.



Battery information

After your Panasonic batteries are fully charged:

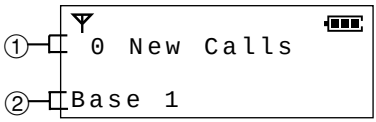
Operation	Approx. Ni-Cd battery life (Included)	Approx. Ni-MH battery life (Optional)
While in use (Talk)	Up to about 6 hours	Up to about 12 hours
While not in use (Stand-By)	Up to about 65 hours	Up to about 130 hours

- Battery life may be shortened depending on usage conditions, such as:
  — when viewing the Caller ID Caller List or phonebook, and
  — ambient temperature.
- **Clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the batteries may not charge properly.
- If the batteries are fully charged, you do not have to place the handset on the base unit until " " flashes. This will maximise the battery life.
- The batteries cannot be overcharged.
- Nickel metal hydride (Ni-MH) rechargeable batteries (AAA size) are available (see page 54).
- Read "Important Notice Concerning the Correct Use and Charging of Ni-Cd (Ni-MH) Batteries" on page 60.

Turning the Power ON

Press PWR.

- After all possible configurations briefly appear, the display will change to the following. Then the handset is in the stand-by mode.



① The number of new Caller ID calls received (p. 19)
② The current connected base unit number (p. 45)

- You can choose wheter to display the base unit number, handset number or no display in the stand-by mode by programming (p. 50).

To turn the power OFF, press and hold PWR until a beep sounds.

- The display will go blank.
- The handset will not ring.

- Depending on the programming mode, you may not be able to turn the power off. First make sure the handset is set to the stand-by mode.

Selecting the Display Language

You can choose either German, English, Spanish, Norwegian, French, Italian, Danish, Dutch or Swedish as the display language. The factory preset is English.
Make sure that the power is ON and the unit is in the stand-by mode.

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Setting Handset".**

5 **Press OK►.**

6 **Press ▼ or ▲ until the arrow points to "Select Language".**

7 **Press OK►.**

- The current setting is at the arrow.

8 **Press ▼ or ▲ to select the desired language.**

9 **Press OK►.**

- A confirmation tone sounds.
- The display will return to that of step 6, in the language selected in step 8. To return to the stand-by mode, press C or wait for 60 seconds.

- You can press F to go to the next menu instead of pressing ▼.
- You can exit the programming mode any time by pressing C.

Selecting the Dialling Mode

You can program the dialling mode to tone or pulse. If you have touch tone service, set to tone. If rotary or pulse service is used, set to pulse. The factory preset is tone.
Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Program".**

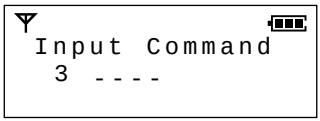
3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Setting Base".**

5 **Press OK►.**

- "Input Command" is displayed.

6 **Press 3.**



7 **Enter the base unit password.**

- The factory preset is 0000. To change the base unit password, see page 35.

8 **Press 1.**

- The current mode is displayed.
  1: Tone **2:** Pulse
  Ex. Tone is selected.

9 **To select Pulse, press 2.**
OR
To select Tone, press 1.

10 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Setting Base". To return to the stand-by mode, press C or wait for 60 seconds.

- If 5 beeps sound in step 7, the entered password is incorrect. Enter the correct password.
- You can exit the programming mode any time by pressing C.

You can determine which type of local BT exchange you are connected to using the following procedure.

1 **Ensure that the dialling mode is selected tone.**

2 **Press , then identify the dial tone.**

3 **Dial a number you are familiar with.**

4 **If the call is successful, you are connected to a tone exchange. Therefore, leave the dialling mode as tone.**

5 **If the call is not successful, you are connected to pulse exchange. Therefore, set the dialling mode to pulse.**

Selecting the Handset Ringer Volume/Pattern

You can program the desired handset ringer volume and pattern.
Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

Ringer volume

7 levels are available. The lowest level is 1. The highest level is 6. The factory preset is 3. When set to OFF, the handset will not ring.

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Program", then press OK►.**

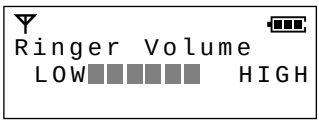
3 **Press ▼ or ▲ until the arrow points to "Setting Handset", then press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Ringer Volume", then press OK►.**

- The current volume is displayed and rings.

5 **Press ▼ or ▲ to select the desired level.**

- Each time you press a button, the selected volume is displayed and rings.



- To set to OFF, erase "■" by pressing ▼ until "OFF" is displayed.

6 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Ringer Volume". To return to the stand-by mode, press C or wait for 60 seconds.
- When set to OFF, "Ringer Off" will be displayed.

Ringer pattern

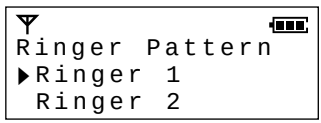
You can program the desired handset ringer pattern (6 patterns). The factory preset is pattern 1.

1 **Follow steps 1 to 3 of the ringer volume procedures.**

2 **Press ▼ or ▲ until the arrow points to "Ringer Pattern".**

3 **Press OK►.**

- The current ringer pattern is at the arrow and rings.



4 **Press ▼ or ▲ to select the desired pattern.**

- Each time you press a button, the selected ringer pattern will sound.

5 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Ringer Pattern". To return to the stand-by mode, press C or wait for 60 seconds.

- You can press F to go to the next menu instead of pressing ▼.
- You can exit the programming mode any time by pressing C.

Selecting the Base Unit Ringer Volume

4 levels (HIGH, MEDIUM, LOW, OFF) are available. The factory preset is MEDIUM. When set to OFF, the base unit will not ring.

Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Program", then press OK►.**

3 **Press ▼ or ▲ until the arrow points to "Setting Base", then press OK►.**

- "Input Command" is displayed.

4 **Press 2 TWICE.**

- The current volume is displayed.
  1: LOW **2:** MEDIUM **3:** HIGH **0:** OFF

5 **Press the desired volume level 1, 2, 3 or 0.**

- Each time you press a button, the selected volume is displayed and rings.

6 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Setting Base". To return to the stand-by mode, press C or wait for 60 seconds.

- You can exit the programming mode any time by pressing C.

Setting the Auto Talk Feature

The Auto Talk feature allows you to answer a call by lifting the handset off the base unit without pressing . If you want to use this feature, turn the feature ON. The factory preset is OFF. In order to view Caller ID information before answering a call, leave the Auto Talk feature OFF.

Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Program", then press OK►.**

3 **Press ▼ or ▲ until the arrow points to "Setting Handset", then press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Auto Talk", then press OK►.**

- The current setting is at the arrow.

5 **Press ▼ or ▲ to select ON or OFF.**

6 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Auto Talk". To return to the stand-by mode, press C or wait for 60 seconds.

- You can press F to go to the next menu instead of pressing ▼.
- You can exit the programming mode any time by pressing C.

Making Calls

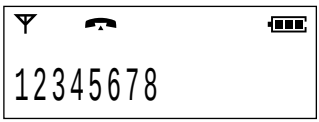
Make sure that the power is ON (p. 12).

1 Press [TALK].

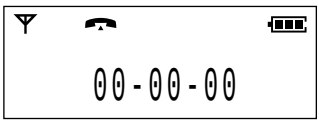
- "[TALK]" is displayed.

2 Dial a phone number.

- The dialled number is displayed.



- After a few seconds, the display will start showing the length of the call.



3 To hang up, press [TALK] or place the handset on the base unit.

- The handset will return to the stand-by mode.

To dial after confirming the entered number

1 Enter a phone number.

- The entered number is displayed.
- If you misdial, press ◄. Digits are erased from the right.
- To cancel, press ◄ firmly.
- If your line has rotary or pulse service, any access numbers entered after pressing [✱] will not be included when dialling.

2 Press [TALK].

- "[TALK]" is displayed.
- After a few seconds, the display will start showing the length of the call.

3 To hang up, press [TALK] or place the handset on the base unit.

- The handset will return to the stand-by mode.

- If "[ANT]" flashes and an alarm tone sounds after pressing [TALK], move closer to the base unit. Then try again.
- You can choose whether to display the length of the call or phone number in the talk mode by programming (p. 41).

To select the receiver volume

3 levels (HIGH, MEDIUM, LOW) are available. The factory preset is MEDIUM.

While talking, press ▲ or ▼ to select the desired level.

- The display shows the volume level.

Ex. LOW is selected.

- After a few seconds, the display will return to the length of the call.

OR

In the stand-by mode, proceed as follows.

1 Press [F].

2 Press ▼ or ▲ until the arrow points to "Program", then press OK►.

3 Press ▼ or ▲ until the arrow points to "Receiver Volume", then press OK►.

4 Press ▲ or ▼ to select the desired level.

5 Press OK►.

- The display will return to "Receiver Volume". To return to the stand-by mode, press [C] or wait for 60 seconds.

To redial the last number dialled

1 **Press [TALK].**

2 **Press [F].**

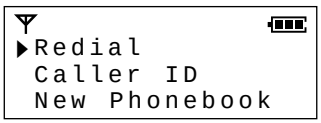
3 **While "Redial" is at the arrow, press OK►.**

- The last number dialled is automatically redialled.

To redial after confirming the numbers in redial memory

The unit automatically stores the last 10 numbers dialled into redial memory.

1 **Press [F].**



2 **While "Redial" is at the arrow, press OK►.**

- The last number dialled is displayed.

3 **Press ▼ or ▲ until the desired number is displayed.**

- To search from the most recent to oldest number, press ▼. To search from the oldest to most recent number, press ▲.
- When the number at the top of the redial memory is displayed, two beeps will sound.
- To exit the list, press [C].

4 **Press [TALK].**

- The number is dialled automatically.

- If "No Stored Memory" is displayed in step 2, the redial memory is empty.
- If the same phone number is stored in the phonebook (p. 24), the name will be displayed.

To store a redial number in the phonebook

1 **While the desired number is displayed, press OK►.**

2 **While "Save Phonebook" is at the arrow, press OK►.**

- The display shows the number of remaining phonebook items, then "<Enter Name>".

3 **To store the name, see page 24, from step 4.**

- If your line has rotary or pulse service, any access numbers entered after pressing [◄✳] will not be included when redialling.

To clear a number in the redial memory

1 **While the desired number is displayed, press OK►.**

2 **Press ▼ or ▲ until the arrow points to "Clear", then press OK►.**

3 **Press ▼ or ▲ to select "YES", then press OK►.**

To clear all numbers in the redial memory

Select "All Clear" in step 2 above.

OR

1 **Press [F].**

2 **Press ▼ or ▲ until the arrow points to "Program", then press OK►.**

3 **Press ▼ or ▲ until the arrow points to "Clear Redial", then press OK►.**

4 **Press ▼ or ▲ to select "YES", then press OK►.**

Answering Calls

Make sure that the power is ON (p. 12), otherwise the handset will not ring.

If you subscribe to a Caller ID service, the calling party information will be displayed after the first ring (p. 19). In order to view the Caller ID information, please wait until the second ring to answer a call.

1 Press .

- You can also answer a call by pressing any dialling button 0 to 9, ◄✱ or ►⌗ (—**Any Key Talk**).

2 To hang up, press or place the handset on the base unit.

- The handset and base unit will not ring if both ringer volumes are set to OFF (p. 14, 15).

To turn the handset ringer off temporarily

When the handset starts ringing, press ▼ firmly.

- "Ringer Off" is displayed and the handset stops ringing.

- The ringer will turn back on for the next call.
- This function will not work when the handset is on the base unit.

Auto talk

If you set the Auto Talk feature to ON (p. 15), you can answer a call by lifting the handset off the base unit without pressing .

Backlit LCD display

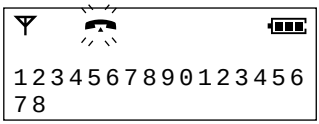
The lighted display will stay on for about 10 seconds after pressing a handset button or lifting the handset off the base unit.

Caller ID Service

This unit is compatible with a Caller ID service offered by your telephone company. After subscribing to a Caller ID service, the calling party's information will be displayed after the first ring.
The unit can record information of up to 50 different callers in the Caller List.
Using this list, you can automatically call back a caller. You can store a caller's numbers from the Caller List in the phonebook.

How caller information is displayed when a call is received

The display shows the caller's phone number after the first ring.



- After you answer the call, the display will show the length of the call.

Private name display

If you receive a call from one of the same phone numbers stored in the phonebook, the caller's name will be displayed.

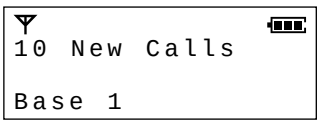
- To use this function, names and phone numbers must be stored in the phonebook (p. 24).

- Caller information cannot be displayed in the following cases:
  — If the caller dialled from an area which does not provide a Caller ID service, the display will show "Out of Area".
  — If the caller has requested not to display his/her information, the display will show "Private Caller".
- If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.

Checking the number of new calls

When new calls have been received, the CALLER ID indicator flashes on the base unit. In the stand-by mode, the display shows the number of new calls.

- For example, if you have received 10 new calls, the display will show the following:



Using the Caller List

Viewing the Caller List

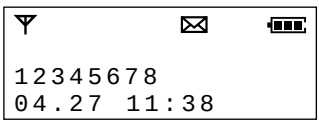
Information of up to 50 different callers is sorted from the most recent to the oldest call in the Caller List. When the 51st call is received, the oldest call is deleted. Each caller's phone number, the time and day received are shown. If a call is received with the private name display function (p. 19), the caller's name will be shown.
To check who has called, follow the steps below.
Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

1 Press F.

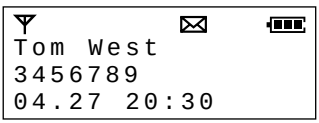
2 Press ▼ or ▲ until the arrow points to "Caller ID".

3 Press OK►.

- The most recent caller's information is displayed.



Ex. The caller's name and number are stored in the phonebook.



4 To search from the most recent call, press ▼ repeatedly.
To search from the oldest call, press ▲ repeatedly.

- To scroll between callers, press ▼ or ▲.

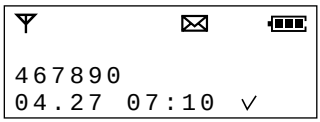
5 To exit the list, press C.

- The handset will return to the stand-by mode.

- If "No Stored Memory" is displayed in step 3, the Caller List is empty. The display will return to the stand-by mode.

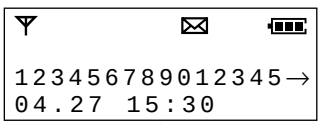
- If more than one call is received from the same caller, only the date and time of the most recent call will be recorded.

What "✓" means:
When you have checked new calls, answered the call or called back the caller, "✓" will be added to the caller information.

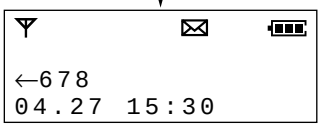


- When the same caller calls again, the call entry with "✓" will be deleted and replaced with the new call entry.

When viewing long telephone numbers:
If an arrow (→) is displayed after the number the whole telephone number has not been shown. Press 3 to see the remaining numbers.



Press 3.



Calling Back from the Caller List

1 Press F.

2 Press ▼ or ▲ until the arrow points to "Caller ID".

3 Press OK►.

- The most recent caller's information is displayed.

4 Press ▼ or ▲ until the desired caller number is displayed.

5 Press .

- The displayed phone number is dialled automatically.

6 To hang up, press or place the handset on the base unit.

- The handset will return to the stand-by mode.

- If a phone number is not displayed in the caller information, you cannot call back that caller.

Editing the Caller's Phone Number

You can edit a phone number in the Caller List. After editing the number, you can continue with calling back or phonebook storing procedures.

Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

1 Press F.

2 Press ▼ or ▲ until the arrow points to "Caller ID".

3 Press OK►.

- The most recent caller's information is displayed.

4 Press ▼ or ▲ until the desired caller number is displayed, then press OK►.

5 Press ▼ or ▲ until the arrow points to "Edit for call".

6 Press OK►.

7 Add a number to the current number.

- Pressing ◄ erases the digit to the left of the cursor. To erase all digits, press ◄ firmly.

8 To call back, press .
OR
To store the number in the phonebook, press OK►. Then while "Save Phonebook" is at the arrow, press OK► and follow the instructions on the display (see page 24, from step 4).

Storing Caller List Information in the Phonebook

You can store phone numbers that are in the Caller List in the phonebook. You can also select a separate ring tone for callers by setting "Private ring" (p. 24).
Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Caller ID".**

3 **Press OK►.**

- The most recent caller's information is displayed.

4 **Press ▼ or ▲ until the desired caller number is displayed.**

5 **Press OK►.**

6 **While "Save Phonebook" is at the arrow, press OK►.**

- The display shows the number of remaining phonebook items, then "<Enter name>".

7 **Enter the name up to 16 characters (p. 25). When finished, press OK►.**

- If the number requires editing, see step 7 on page 21.

8 **Press OK►.**

9 **Press ▼ or ▲ to select private ring ON or OFF.**

10 **Press OK►.**

Ex. Private ring is ON.

11 **While "Save" is at the arrow, press OK►.**

- A confirmation tone sounds.
- The display will show "Saved". The display will show the next caller information.

12 **Press C to return to the stand-by mode.**

- If the display shows "Memory full" in step 6, the handset will return to the stand-by mode. To clear other stored items from the phonebook, see page 27.

Clearing Caller List Information

You can clear some or all entries in the Caller List.
Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

To clear a specific entry from the Caller List

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to** "Caller ID".

3 **Press OK►.**

- The most recent caller's information is displayed.

4 **Press ▼ or ▲ until the caller information you want to clear is displayed, then press OK►.**

5 **Press ▼ or ▲ until the arrow points to** "Clear".

6 **Press OK►.**

- "Clear ?" is displayed.

7 **Press ▼ or ▲ to select "**YES**", then press OK►.**

- A confirmation tone sounds and "CLEARED" is displayed.
- After a few seconds, the display will show the next caller information. To return to the stand-by mode, press C or wait for 60 seconds.

To clear all entries in the Caller List

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to** "Caller ID".

3 **Press OK►.**

- The most recent caller's information is displayed.

4 **Press OK►.**

5 **Press ▼ or ▲ until the arrow points to** "All Clear".

6 **Press OK►.**

- "All Clear ?" is displayed.

7 **Press ▼ or ▲ to select "**YES**", then press OK►.**

- A confirmation tone sounds and "CLEARED" is displayed.
- After a few seconds, the display will show "No Stored Memory" and the handset will return to the stand-by mode.

Using the Phonebook

You can store up to 70 names and phone numbers in the phonebook. All phonebook items are sorted by the first word in alphabetical order. Using the phonebook, you can make a call by selecting a name on the display.
You can also select a separate ring tone for items by setting "Private ring" during storing. "Private ring" will sound after the first ring when a caller ID call is being received.
When you receive a Caller ID call from a caller stored in the phonebook, the display will show the caller's name and the phone number (—**Private name display**) (p. 19).

Storing Names and Numbers in the Phonebook

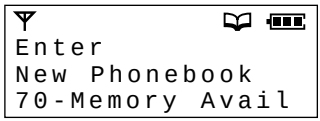
Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

1 Press F.

2 Press ▼ or ▲ until the arrow points to "New Phonebook".

3 Press OK►.

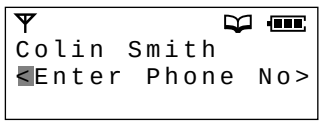
- The display shows the number of remaining phonebook items, then "<Enter Name>".



4 Enter a name up to 16 characters with the dialling buttons, F, ◄✳ or ►⌗.

- See the steps for entering names and symbols on page 25.

5 Press OK► or ▼.



6 Enter a phone number, up to 24 digits.

- If you misdial, press ◄. Digits are erased from the right. To erase all digits, press ◄ firmly.

7 Press OK►.

8 Press ▼ or ▲ to select private ring ON or OFF, then press OK►.

- When set to ON, "✉" will be displayed.

9 While "Save" is at the arrow, press OK►.

- A confirmation tone sounds and "Saved" is displayed.
- The display will return to "<Enter Name>". You can continue storing other items.
- To return to the stand-by mode, press C or wait for 60 seconds.

- If a pause is required for dialling, press F then **OK►** to select "Pause" in step 6. "Pause" can be stored in a phone number counting as one digit (p. 28).
- You can exit the programming mode any time by pressing C.
- If the display shows "Memory Full" in step 3, the display will return to the stand-by mode. Clear other stored items in the phonebook (p. 27).
- If your line has rotary or pulse service, any access numbers stored after pressing ◄✳ will not dialled.

To enter names selecting characters

The dialling buttons can be used to enter letters and character symbols. The letters are printed on the dialling buttons. Pressing each button selects a character as shown below.
To shift from capital to lower case, press [F]. Each time you press [F], the mode will change.

Buttons	Capital characters	Lower case characters
[1]	# & ' ( ) * , – . / 1	# & ' ( ) * , – . / 1
[2]	A B C 2 Ä À Â Å Æ Ç	a b c 2 ä à â å æ ç
[3]	D E F 3 Ë É È Ê	d e f 3 ë é è ê
[4]	G H I 4 Ï Î	g h i 4 ï î
[5]	J K L 5	j k l 5
[6]	M N O 6 Ö Ñ Ó Ô Ø	m n o 6 ö ñ ó ô ø
[7]	P Q R S 7	p q r s 7 ß
[8]	T U V 8 Ü Ú Ù Û	t u v 8 ü ú ù û
[9]	W X Y Z 9	w x y z 9
[0]	0 blank	0 blank
[◄✳]	To move the cursor ■ to the left.	
[►⌗]	To move the cursor ■ to the right.	
◄	To erase characters	

- To enter another character using the same dialling button, press [►⌗] to move the cursor to the next space.

If you make a mistake while entering a name

Use [◄✳] or [►⌗] to move the cursor to the incorrect character, then make the correction.
Pressing ◄ erases the character to the left of the cursor. To erase all characters, press ◄ firmly.

For example, to enter “Anne”:

① **Press [2].** A

② **Press [6] TWICE then [F].** An

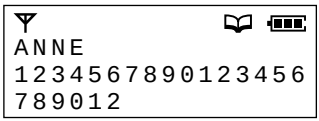
③ **Press [►⌗] then [6] TWICE.** Ann

④ **Press [3] TWICE.** Anne

Finding Items in the Phonebook

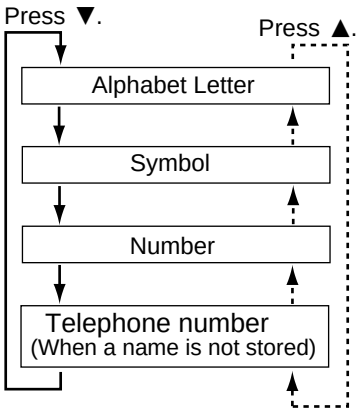
1 Press ▼ or ▲ to enter the phonebook.

- The first item is displayed.



2 Press ▼ or ▲ until the desired name is displayed.

- All phonebook items are sorted in the following order.



To search for a name by initial

1 Press ▼ or ▲ to enter the phonebook.

- The first item is displayed.

2 Press the dialling button for the first letter of the desired name until any name with the same initial is displayed.

- The letters are printed on the dialling buttons.

Ex. To find "Felix", press [3] until the first item under "F" is displayed.

3 Press ▼ until the desired name is displayed.

- You can leave the phonebook any time by pressing [C].
- If "`No Stored Memory`" is displayed in step 1, the phonebook is empty. The handset will return to the stand-by mode.

Dialling from the Phonebook

1 Press ▼ or ▲ until the desired name is displayed.

- You can also search for the item by initial.
- To exit the phonebook, press [C].

2 Press [☎].

- The number is dialled automatically.

3 To hang up, press [☎] or place the handset on the base unit.

Editing an Item in the Phonebook

1 Press ▼ or ▲ until the desired name is displayed.

- You can also search for the item by the initial (p. 26).

2 Press OK►.

3 While "Edit" is at the arrow, press OK►.

- If you do not need to change the name, go to step 5.

4 Edit the name using the dialling buttons, F, ◄✳ or ►⌗, up to 16 characters (p. 25).

5 Press OK► or ▼.

- If you do not need to change the number, go to step 7.

6 Add a number to the current number.

- Pressing ◄ erases the digit to the left of the cursor. To erase all digits, press ◄ firmly.

7 Press OK►.

8 Press ▼ or ▲ to select private ring ON or OFF, then press OK►.

9 While "Save" is at the arrow, press OK►.

- A confirmation tone sounds and "Saved" is displayed.

- You can exit the programming mode any time by pressing C.

Clearing an Item from the Phonebook

1 Press ▼ or ▲ until the desired name is displayed.

- You can also search for the item by initial (p. 26).

2 Press OK►.

3 Press ▼ or ▲ until the arrow points to "Clear".

4 Press OK►.

- "Clear ?" is displayed.

5 Press ▼ or ▲ to select "YES", then press OK►.

- A confirmation tone sounds and "CLEARED" is displayed.
- After a few seconds, the display will show the next item.
- To return to the stand-by mode, press C or wait for 60 seconds.

- You can exit the programming mode any time by pressing C.

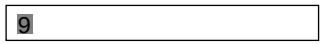
Special Features

How to Use the Pause Feature
(For Analog PBX Line/Long Distance Service Users)

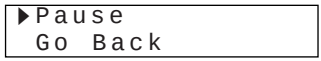
We recommend you insert "Pause" if a pause is required for dialling with a PBX or to access a long distance service.

Ex. Line access number 9 (PBX)

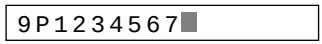
① **Press 9.**



② **Press F and press OK► to select "Pause".**



③ **Enter a phone number.**



- Selecting "Pause" creates a pause. "P" is displayed.
  This prevents misdialling when you redial or dial a stored number.
- Selecting "Pause" more than once increases the length of the pause between numbers.

Setting the pause timing

You can set the pause timing to 3 seconds or 5 seconds, depeding on your PBX requirements. The factory preset is 3 seconds.

Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

1 Press F.

2 Press ▼ or ▲ until the arrow points to "Program", then press OK►.

3 Press ▼ or ▲ until the arrow points to "Setting Base", then press OK►.

- "Input Command" is displayed.

4 Press 3.

5 Enter the base unit password (p. 35).

- The factory preset is 0000.

6 Press 3.

- The current timing is displayed.
  1: 3 seconds **2**: 5 seconds

Ex. 3 second is selected.

7 To select 5 seconds, press 2.
OR
To select 3 seconds, press 1.

8 Press OK►.

- A confirmation tone sounds.
- The display will return to "Setting Base". To return to the stand-by mode, press C or wait for 60 seconds.

- If 5 beeps sound in step 5, the entered password is incorrect. Enter the correct password.
- You can exit the programming mode any time by pressing C.

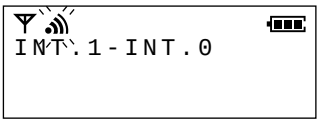
Handset Locator

From the base unit, you can locate the handset or page a person at the handset with ring tones.

1 Press .

- The in use indicator ( ) flashes on the base unit.
- The handset rings for 1 minute and " " flashes.
- The base unit is displayed as "INT.0".

Handset 1 display



2 To stop paging, press again or press on the handset.

Temporary Tone Dialling
(For Rotary or Pulse Service Users)

Press before entering access numbers which require tone dialling.

- The dialling mode changes to tone. You can enter numbers to access an answering service, electronic banking service, etc. When you hang up, the mode will return to pulse.

Setting the Key Lock

You can lock the handset dialling buttons. Only incoming calls are accepted until the key lock is cancelled.

When the unit is in the stand-by mode, press and hold F until a beep sounds.

- "Key Lock" is displayed and all dialling buttons are locked.

To cancel the key lock

When the unit is in the stand-by mode, press and hold F for about 2 seconds.

- "Key Lock" will disappear and the key lock will be cancelled.

- The key lock will also be cancelled when the power is turned OFF (p. 12).

Using the Recall Feature

RCL is used to access special telephone services (optional) such as call waiting. Contact your telephone company business office for details.
Example: British Telecom call waiting

When a call waiting tone is heard during a conversation:

a) **To hold the existing call and accept the waiting call**
Press RCL.

- Each time you press RCL, you can switch between the first and second call.
- Depending on the provider, you may need to enter a code after pressing RCL. Follow the instructions given by your provider.

b) **To accept the waiting call and hang up the existing call**
Press . When the unit rings, press to answer the new call.

c) **To reject the waiting call**
Wait for the call waiting to time out. This will take about 40 seconds.

If your unit is connected to a PBX, pressing RCL allows you to access some features of your host PBX such as transferring an extension call.

Selecting the earth (option)/time break recall mode

The earth relay can be installed as an option depending on your PBX requirements. Please consult your nearest Panasonic Service Centre for installation. Then you can select the time break recall or earth mode. The factory preset is the time break recall.

Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Setting Base".**

5 **Press OK►.**

- "Input Command" is displayed.

6 **Press 3.**

7 **Enter the base unit password (p. 35).**

- The factory preset is 0000.

8 **Press 2.**

- The current mode is displayed.

1: Time break recall **2**: Earth

Ex. Time break recall is selected.

9 **To select "Earth", press 2.**

OR

To select "Time break recall", press 1.

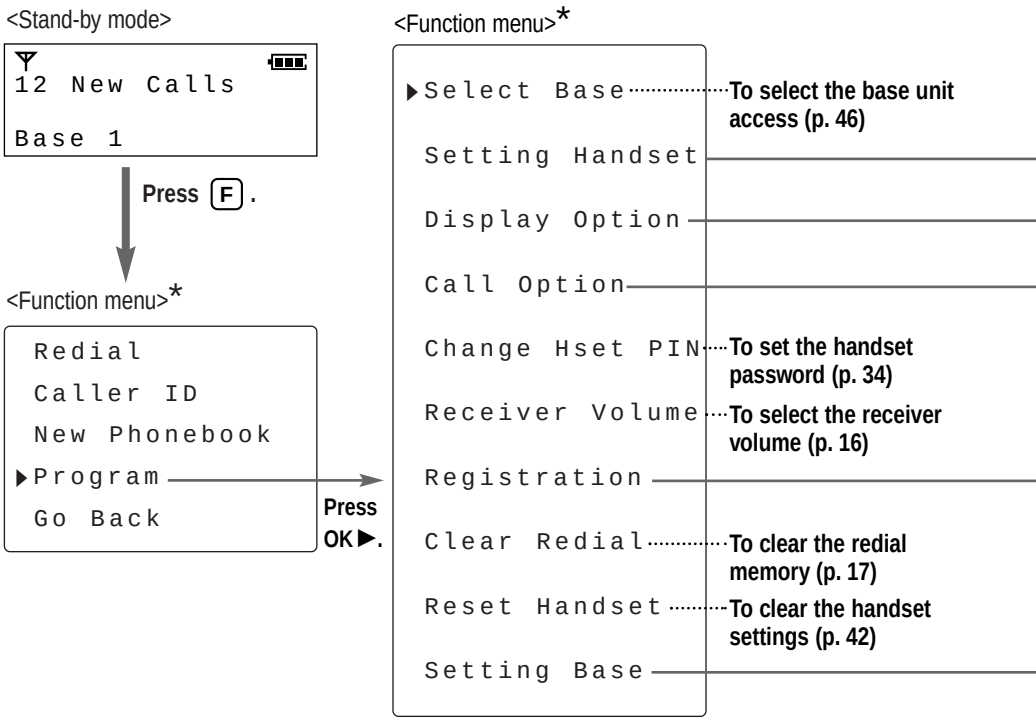
10 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Setting Base". To return to the stand-by mode, press C or wait for 60 seconds.

- If 5 beeps sound in step 7, the entered password is incorrect. Enter the correct password.
- You can exit the programming mode any time by pressing C.

Summary of Programmable Functions

You can program the following function items **using the handset near the base unit**. The display shows the instructions. See the corresponding pages for function details.
Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.



While programming:

*To select a desired function item, press ▼ or ▲ until the arrow points to the item. Then press **OK►** to go to the next step.

- You can press F to go to the next menu of the function menu instead of pressing ▼.
- To return to the previous step during programming, press ◄.

- You can exit the programming mode any time by pressing C.
- When programming is completed, a confirmation tone sounds.

<Function menu>*

- ▶Key Tone ON/OFF — To set the key tone (p. 40)
- Ringer Volume — To select the handset ringer volume (p. 14)
- Ringer Pattern — To select the handset ringer pattern (p. 14)
- Call Waiting — To set the call waiting tone (p. 53)
- Range Alarm — To set the range warning alarm (p. 40)
- Battery Alarm — To set the battery low alarm (p. 41)
- Select Language — To select the display language (p. 12)
- Auto Talk — To set the auto talk feature (p. 15)

- ▶Standby Display — To select the stand-by mode display (p. 50)
- Talk Display — To select the talk mode display (p. 41)

- ▶Call Bar — To set the call prohibition mode (p. 37)
- Direct Call No. — To set the direct call number (p. 36)
- Direct ON/OFF — To set the direct call mode (p. 36)

<Function menu>*

- ▶Cancel Base — To cancel the base unit (p. 47)
- Register H/set — To register a handset in the base unit (p. 45)

Input Command

Enter a desired function command as shown below.

Command	Function item	Command	Function item
1	To select the bell selection (p. 48)	5	To set the base unit password (p. 35)
2	To select the base unit ringer volume (p. 15)	6	To set the call restricted handset(s) and restriction number(s) (p. 38)
3	To select the dialling mode (p. 13) To select the pause time (p. 28) To select the earth(option)/time break recall mode (p. 31)	7	To cancel a handset (p. 47)
		0	To clear the base unit settings (p. 43)

Setting the Password

On the handset

You can program a 4-digit password. The factory preset is 0000. Changing the password may prevent the unauthorised use of your unit by another person.
You need to enter this password when using the following functions:
—Setting the call prohibition (p. 37)
—Clearing the settings in handset memory (p. 42)
—Cancelling a base unit (p. 47)

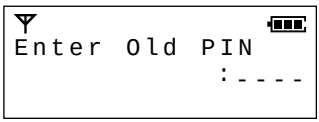
1 **Press (F).**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Change Hset PIN".**

5 **Press OK►.**

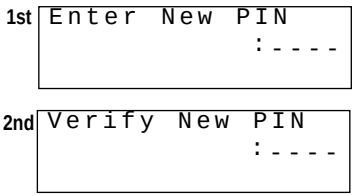


6 **Enter the current handset password.**

- The factory preset is 0000.

7 **Enter the new 4-digit password TWICE.**

- If you misdial, press ◄. Digits are erased from the right. To erase all digits, press ◄ firmly.



- A confirmation tone sounds.
- The display will return to "Change Hset PIN". To return to the stand-by mode, press (C) or wait for 60 seconds.

- If 5 beeps sound in step 6, the entered password is incorrect. Enter the correct password.
- You can exit the programming mode any time by pressing (C).

Once you have programmed the password, you cannot confirm it. We recommend you write down the password. If you forget it, please consult your nearest Panasonic Service Centre.

On the base unit

You can program a 4-digit password. The factory preset is 0000. Changing the password may prevent the unauthorised use of your unit by another person.
You need to enter this password when using the following functions:

—Setting the dialling mode (p. 13)
—Setting the pause timing (p. 28)
—Setting the earth/time break recall mode (p. 31)
—Setting the call restriction (p. 38)
—Clearing the settings of the base unit memory (p. 43)
—Registering a handset in the base unit (p. 45)
—Cancelling a handset (p. 47)
—Setting the bell selection (p. 48)

1 Press F.

2 Press ▼ or ▲ until the arrow points to "Program".

3 Press OK►.

4 Press ▼ or ▲ until the arrow points to "Setting Base".

5 Press OK►.

- "Input Command" is displayed.

6 Press 5.

7 Enter the current base unit password.

- The factory preset is 0000.

8 Enter the new 4-digit password TWICE.

- A confirmation tone sounds.
- The display will return to "Setting Base". To return to the stand-by mode, press C or wait for 60 seconds.

- If 5 beeps sound in step 7, the entered password is incorrect. Enter the correct password.
- You can exit the programming mode any time by pressing C.

Once you have programmed the password, you cannot confirm it. We recommend you write down the password. If you forget it, please consult your nearest Panasonic Service Centre.

Direct Call

You can easily make a call using a stored direct call number by pressing . Incoming calls are accepted. To use this feature, store the direct call number and turn on the mode by programming. The factory preset is OFF.

Setting the Direct Call Number and Mode

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Call Option".**

5 **Press OK►.**

6 **Press ▼ or ▲ until the arrow points to "Direct Call No.".**

7 **Press OK►.**

8 **Enter the phone number, up to 24 digits.**

- If you misdial, press ◄. The digits are erased from the right. To erase all digits, press ◄ firmly.

9 **Press OK►.**

10 **While the arrow is at "Save", press OK►.**

11 **While the arrow is at "ON", press OK►.**

- A confirmation tone sounds.
- The display will return to "Direct Call No.".

12 **Press C to return to the stand-by mode.**

- You can exit the programming mode any time by pressing C.

To turn OFF/ON the direct call mode

Follow steps 1 to 5. In step 6, press ▼ or ▲ until the arrow points to "Direct ON/OFF". Then press ▼ or ▲ to select OFF or ON and press OK►. When finished, press C.

- When set to off, "Direct Call" will go out.

Dialling the Stored Number

Make sure that "Direct Call" is displayed, then press .

- The number stored in the direct call memory is dialled automatically.

Call Prohibition

You can prohibit anyone from making a call with your handset except for emergency calls (999, 112). Incoming calls are accepted. To use this feature, turn on the call prohibition mode by programming. The factory preset is OFF.

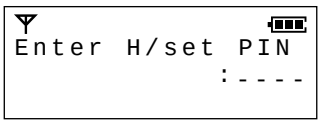
1 **Press [F].**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Call Option".**

5 **While "Call Bar" is at the arrow, press OK►.**



6 **Enter the handset password (p. 34).**

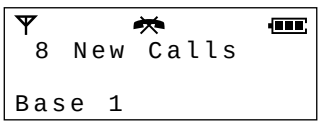
- The current mode is displayed.

7 **Press ▼ or ▲ to select ON.**

8 **Press OK►.**

- A confirmation tone sounds and " " is displayed.
- The display will return to "Call Bar".

9 **Press [C] to return to the stand-by mode.**



To turn OFF the call prohibition mode

Press ▼ or ▲ to select OFF in step 7.

- After returning to the stand-by mode, " " will go out.

- You can exit the programming mode any time by pressing [C].

If you forget your handset password, please consult your nearest Panasonic Service Centre.

Call Restriction

You can restrict desired handset(s) from dialling selected phone numbers. Phone numbers beginning with the restricted digits cannot be dialled out. For example, if "00" is assigned as the call restriction number, international calls cannot be made.
For selected handset(s), you can assign up to 6 call restriction numbers (up to 8 digits). Set the call restricted handset(s) and the restriction number(s) by programming. The factory preset is OFF.

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Setting Base".**

5 **Press OK►.**

- "Input Command" is displayed.

6 **Press 6.**

7 **Enter the base unit password (p. 35).**

- The current registered handset number(s) is/are displayed.

8 **Enter the handset number(s) which you want to restrict.**

- The selected handset number(s) flash(es).
- If you misdial, press the number(s) again.

9 **Press OK►.**

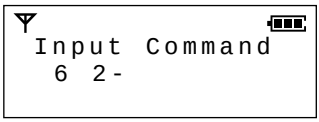
- "1" is displayed.

10 **Enter a call restriction number, up to 8 digits.**

- If you misdial, press ◄. The digits are erased from the right. To erase all digits, press ◄ firmly.

11 **Press OK►.**

- A confirmation tone sounds.
- "2" is displayed. To continue entering a number, enter the next number, then press **OK►.**



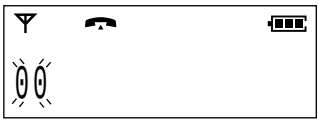
12 **Press OK►.**

- The display will return to "Setting Base". To return to the stand-by mode, press C or wait for 60 seconds.

- You can exit the programming mode any time by pressing C.

When you dial a restricted number,
the call is disconnected, and the dialled number flashes.

Ex. The restricted number is “00”.



To cancel the call restricted handset(s)

Follow steps 1 to 7 on page 38. Enter the handset number(s) you want to cancel in step 8.

- The cancelled handset number(s) stop(s) flashing.

When finished, press OK► repeatedly until “Setting Base” is displayed.
To return to the stand-by mode, press C.

To cancel the call restriction number(s)

Follow steps 1 to 9 on page 38. In step 10, press OK► until the call restriction number you want to cancel is displayed. Then erase the number by pressing ◄.

- The call restriction number is cleared.

When finished, press OK► repeatedly until “Setting Base” is displayed.
To return to the stand-by mode, press C.

Other Programmable Settings

Setting the Key Tones

You can choose whether or not the handset keys will sound tones (key tone, confirmation tone, error tone). The factory preset is ON.

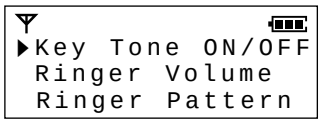
1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Setting Handset".**

5 **Press OK►.**



6 **While "Key Tone ON/OFF" is at the arrow, press OK►.**

- The current setting is at the arrow.

7 **Press ▼ or ▲ to select ON or OFF.**

8 **Press OK►.**

- If ON is selected, a confirmation tone sounds.
- The display will return to "Key Tone ON/OFF". To return to the stand-by mode, press C or wait for 60 seconds.

- You can exit the programming mode any time by pressing C.

Setting the Range Warning Alarm

You can choose whether or not the handset will sound a range warning alarm. The factory preset is OFF.

1 **Press F.**

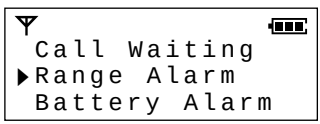
2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Setting Handset".**

5 **Press OK►.**

6 **Press ▼ or ▲ until the arrow points to "Range Alarm".**



7 **Press OK►.**

- The current setting is at the arrow.

8 **Press ▼ or ▲ to select ON or OFF.**

9 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Range Alarm". To return to the stand-by mode, press C or wait for 60 seconds.

- You can exit the programming mode any time by pressing C.

Setting the Battery Low Alarm

You can choose whether or not the handset will sound a battery low alarm. The factory preset is ON.

1 **Press [F].**

2 **Press ▼ or ▲ until the arrow points to "Program", then press OK►.**

3 **Press ▼ or ▲ until the arrow points to "Setting Handset", then press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Battery Alarm", then press OK►.**

- The current setting is displayed.

5 **Press ▼ or ▲ to select ON or OFF.**

6 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Battery Alarm". To return to the stand-by mode, press [C] or wait for 60 seconds.

- You can exit the programming mode any time by pressing [C].

Selecting the Talk Mode Display

You can choose whether to display the length of the call or the dialled telephone number while in the talk mode. The factory preset is the length of the call.

1 **Press [F].**

2 **Press ▼ or ▲ until the arrow points to "Program", then press OK►.**

3 **Press ▼ or ▲ until the arrow points to "Display Option", then press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Talk Display", then press OK►.**

- The current setting is at the arrow.
  Talk Time: Length of the call
  Phone No.: Dialled phone number

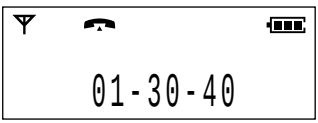
5 **Press ▼ or ▲ to select "Phone No." or "Talk Time", then press OK►.**

- A confirmation tone sounds.
- The display will return to "Talk Display". To return to the stand-by mode, press [C] or wait for 60 seconds.

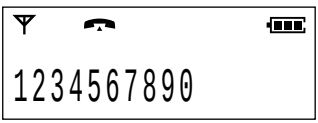
- You can exit the programming mode any time by pressing [C].

During a conversation, the display will be as follows.

"Talk Time" is selected.
(Ex: 1 hour, 30 minutes, 40 seconds.)



"Phone No." is selected.
(Ex: 123-456-7890)



Clearing the Settings in Memory

On the handset

This function enables the handset to clear the following settings at one time. They will return to their initial settings.

Function	Initial setting
Base unit access	Automatic base unit access
Key tones	ON
Handset ringer volume	3 (MEDIUM)
Handset ringer pattern	1
Call waiting tone	ON
Range warning alarm	OFF
Battery low alarm	ON
Stand-by mode display	Base unit number
Talk mode display	Length of the call

Function	Initial setting
Call prohibition	OFF
Direct call mode	OFF
Direct call number	Clear
Handset password	0000
Handset receiver volume	MEDIUM
Redial memory	All clear
Display language	English
Auto talk	OFF

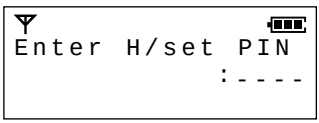
1 **Press (F).**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Reset Handset".**

5 **Press OK►.**



6 **Enter the handset password (p. 34).**

- "Reset handset?" is displayed.

7 **Press ▼ or ▲ to select "YES".**

8 **Press OK►.**

- A confirmation tone sounds and "CLEARED" is displayed.
- The display will return to "Reset Handset". To return to the stand-by mode, press (C) or wait for 60 seconds.

- You can exit the programming mode any time by pressing (C).

On the base unit

This function enables the base unit to clear the following settings at one time. They will return to their initial settings.

Function	Initial setting
Bell selection	All handsets
Dialling mode	Tone
Earth/time break recall	Time break recall
Pause timing	3 seconds

Function	Initial setting
Call restricted handset(s)	All clear
Call restriction number(s)	All clear
Base unit password	0000
Base unit ringer volume	2 (MEDIUM)

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Setting Base".**

5 **Press OK►.**

- "Input Command" is displayed.

6 **Press 0.**

7 **Enter the base unit password (p. 35).**

8 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Setting Base". To return to the stand-by mode, press C or wait for 60 seconds.

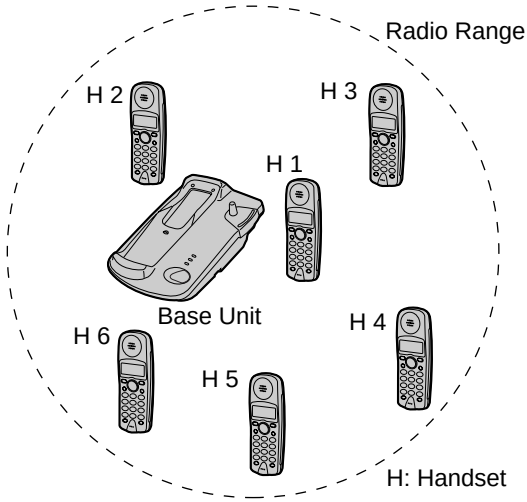
- You can exit the programming mode any time by pressing C.

For Optional Multi-Unit Users

Operating More than One Handset

You can register and operate up to 6 handsets at the base unit. Operating more than one handset allows you to have an internal call while simultaneously conducting an external phone call using another handset.

Ex. 6 optional handsets are added to a base unit. Handset 1 is engaged in an internal call with handset 3. Handset 2 is engaged in an external call.

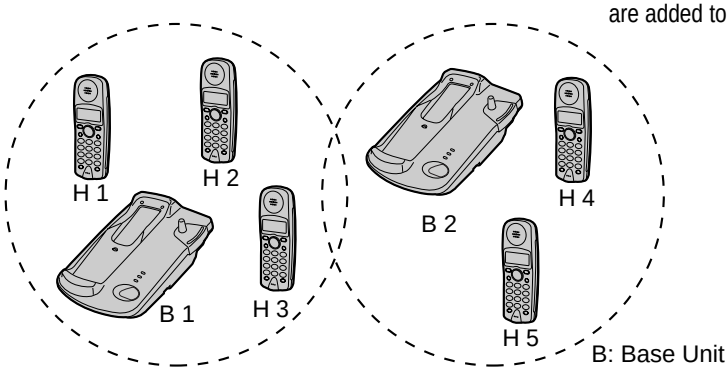


- The optional handset model number is KX-TCA105EC. The functions of the optional handset are the same as the those of KX-TCD955EC handset.
- An optional charger, KX-TCA110EB, is available from your Panasonic dealer.

Operating More than One Base Unit

You can register and operate your handset at up to 4 base units.
Since each base unit forms a radio cell, you can extend the range or area in which you can make/answer calls with the same handset by placing the base units in suitable locations. For example, you can use a handset in different radio areas, such as at home or the office. However, calls in progress are cancelled when the unit moves to another radio area.

Ex. 3 optional KX-TCA105EC handsets are added to 2 base units.



Registration

Registering a Handset in the Base Unit

You must register the handset in the base unit before use.

- Charge the optional handset batteries for about 4 hours before initial use.
- Make sure that the power is ON (p. 12) and the unit is in the stand-by mode.
- Register the handset number within 1 minute. If not registered within 1 minute, press C on the handset to cancel the programming mode. Then start again from step 1.

1 **Handset:**
Press F.

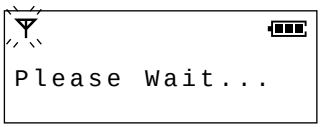
2 **Press ▼ or ▲ until the arrow points to "Program", then press OK►.**

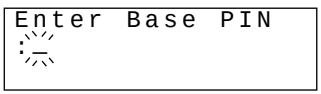
3 **Base unit where handset is to be registered:**
Press and hold •)) on the base unit for more than 10 seconds until the in use indicator ( ) lights and a confirmation tone sounds.

4 **Handset:**
Press ▼ or ▲ until the arrow points to "Registration", then press OK►.

5 **Press ▼ or ▲ until the arrow points to "Register H/set", then press OK►.**
- The available base unit numbers are displayed.

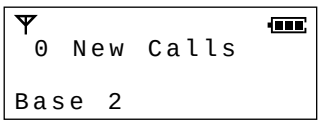
6 **Press ▼ or ▲ to select the desired base unit number 1 to 4, then press OK►.**
- The number is assigned as the base unit number for the handset.





7 **Enter the base unit password (p. 35).**

8 **Press OK►.**
- "Please Wait..." is displayed, then a confirmation tone sounds.
- The handset will return to the stand-by mode. The current connected base unit number will be displayed.



- The in use indicator ( ) on the base unit will go out.
- To register the handset in more than one base unit, repeat from step 1 with the other base unit(s).

- You can exit the programming mode any time by pressing C.
- The base unit number which the handset is currently in contact with can be displayed in the stand-by mode (p. 50). Calls (both incoming and outgoing) can be conducted only via the displayed base unit (even if the radio areas overlap with neighbouring base units).

Selecting the Base Unit Access

Automatic base unit access (Auto)

The handset automatically selects a registered base unit.

- When the handset moves to another base unit radio area, it loses contact with the previous base unit and automatically accesses the new base unit.
- If the handset is in the overlap area between several base unit radio areas, the handset will access a base unit in the order of the base unit numbers.

Specified base unit access

You can only select one registered base unit (1 to 4) you want to operate.

- You can choose the base unit/telephone line where you can make/receive calls.

The factory preset is Auto (automatic base unit access). To select the desired base unit, program as follows.

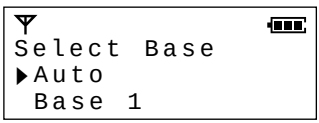
1 Press F.

2 Press ▼ or ▲ until the arrow points to "Program".

3 Press OK►.

4 While "Select Base" is at the arrow, press OK►.

- The current setting, "Auto" or a registered base unit number is at the arrow.



5 Press ▼ or ▲ to select the desired base unit.

6 Press OK►.

- A confirmation tone sounds and the handset will return to the stand-by mode.
- The selected base unit number will be displayed.

- You can exit the programming mode any time by pressing C.

Cancelling a Handset

Each handset can cancel itself or another handset.

1 **Press [F].**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Setting Base", then press OK►.**

- "Input Command" is displayed.

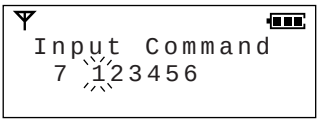
5 **Press [7].**

6 **Enter the base unit password (p. 35).**

- The current registered handset number(s) is/are displayed.

7 **Enter the handset number(s) you want to cancel.**

- The selected handset number(s) flash(es).



- If you misdial, press the number(s) again.

8 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Setting Base". To return to the stand-by mode, press [C] or wait for 60 seconds.

- You can exit the programming mode any time by pressing [C].

Cancelling a base unit

If another handset is out of range and/or its power is OFF when "Cancelling a Handset", the previous base unit number will still remain in the cancelled handset. Therefore, you need to cancel the base unit registered **in the cancelled handset**.

1 **Press [F].**

2 **Press ▼ or ▲ until the arrow points to "Program", then press OK►.**

3 **Press ▼ or ▲ until the arrow points to "Registration", then press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Cancel Base", then press OK►.**

- "Enter H/set PIN" is displayed.

5 **Enter the handset password (p. 34).**

- Registered base unit(s) is(are) displayed.

6 **Press ▼ or ▲ until the arrow points to the base unit(s) you want to cancel, then press OK►.**

- "✓" marks the selected base unit.

7 **Press ▼ or ▲ to select "YES", then press OK►.**

8 **Press OK►.**

- A confirmation tone sounds and "CLEARED" is displayed.
- The display will return to "Cancel Base". To return to the stand-by mode, press [C] or wait for 60 seconds.

Bell Selection

There are three choices for bell selection.
When a call is being received:
— all handsets ring. “All handsets”
— the selected handset(s) ring(s). “Specified handset(s)”
— the selected handset rings first, then if it does not answer, all other handsets will ring. “First handset”
The factory preset is “All handsets”. To change the bell selection, program as follows.

Selecting specified handset(s)

You can choose which handset(s) you want to ring.

1 **Press F.**

2 **Press ▼ or ▲ until the arrow points to “Program”.**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to “Setting Base”.**

5 **Press OK►.**

- “Input Command” is displayed.

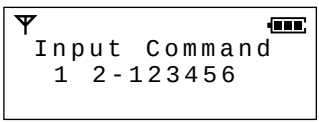
6 **Press 1.**

7 **Enter the base unit password (p. 35).**

- The current setting is displayed.
  1: All handsets
  2: Specified handset(s)
  3: First handset

8 **Press 2.**

- The current registered handset number(s) is/are displayed.



9 **Enter the handset number(s) you want to ring.**

- The selected handset number(s) flash(es).
- If you misdial, press the number(s) again.

10 **Press OK►.**

- A confirmation tone sounds.
- The display will return to “Setting Base”. To return to the stand-by mode, press C or wait for 60 seconds.

- You can exit the programming mode any time by pressing C.

Selecting first handset

One handset will ring first, then all other handsets will ring if the first handset is not answered. You can choose which handset will ring first and the ring count (1 to 6) until all handsets ring. The factory preset is 3 rings.

1 Follow steps 1 to 7 on page 48.

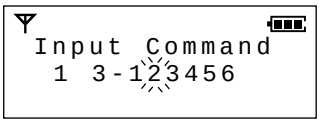
2 Press [3].

- The current registered handset number(s) is/are displayed.

3 Enter the handset number you want to ring.

- The selected handset number flashes.

Ex. Handset 2 is selected.

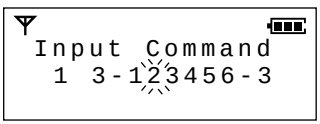


- If you misdial, press the number again.

4 Press OK►.

- The handset number is stored.
- The current ring count is displayed.

Ex. Ring count 3 is selected.



5 Press a dialling button [1] to [6] to select the ring count.

6 Press OK►.

- A confirmation tone sounds.
- The display will return to "Setting Base". To return to the stand-by mode, press [C] or wait for 60 seconds.

- You can exit the programming mode any time by pressing [C].
- Even if you select "Specified handset(s)" or "First handset", calls can also be received on the handsets which do not ring.

Selecting all handsets

When a call is received, all handsets will ring at the same time.

1 Follow steps 1 to 7 on page 48.

2 Press [1].

3 Press OK►.

- A confirmation tone sounds.
- The display will return to "Setting Base". To return to the stand-by mode, press [C] or wait for 60 seconds.

- You can exit the programming mode any time by pressing [C].

Selecting the Stand-By Mode Display

You can choose whether to display the currently connected base unit number, handset number or no display while in the stand-by mode. The factory preset is the base unit number.

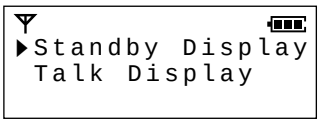
1 **Press [F].**

2 **Press ▼ or ▲ until the arrow points to "Program".**

3 **Press OK►.**

4 **Press ▼ or ▲ until the arrow points to "Display Option".**

5 **Press OK►.**



6 **While "Standby Display" is at the arrow, press OK►.**

- The current setting is at the arrow.

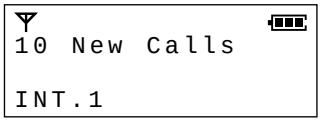
7 **Press ▼ or ▲ to select "Handset Number", "OFF" or "Base Number".**

8 **Press OK►.**

- A confirmation tone sounds.
- The display will return to "Standby Display".

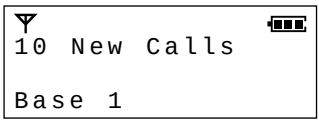
9 **Press [C] to return to the stand-by mode.**

Ex. "Handset Number" is selected.



Ex. "OFF" is selected.

Ex. "Base Number" is selected.



- You can exit the programming mode any time by pressing [C].

Paging/Intercom

Paging All Handsets from the Base Unit

The base unit user can page all handsets.

1 Press [•))].

- All handsets will ring for 1 minute.

2 To stop paging, press [•))] again or press [ ] on one of the handsets.

Intercom between Handsets

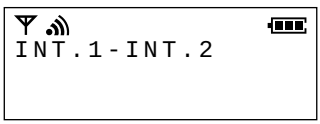
A 2-way intercom is available between handsets.

Ex. Handset 1 is paging Handset 2.

1 Handset 1:
Press [INT'].

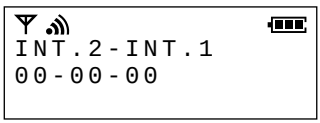
2 Handset 1:
Enter the desired handset number.

- "•))" is displayed and the paged handset rings.



3 Handset 2:
When the unit rings, press [ ] to answer.

- The intercom duration is displayed.



4 Handsets 1 and 2:
To end the intercom, press [ ].

- Intercom calls can be conducted within the radio area of the current base unit, but not with units in neighbouring radio areas.

Transferring a Call from One Handset to Another

The intercom can be used during a call, enabling you to transfer a call between handsets registered to the same base unit.

Transferring a call using the intercom

Ex. Handset 1 is transferring a call to Handset 2.

1 Handset 1:
During a call, press INT'.
Then enter the desired handset number.

- The call is put on hold.
- You will hear an internal ring back tone until the other handset is answered.
- If there is no answer, press INT' to return to the call.

2 Handset 2:
When the unit rings, press to answer.

3 Transferring a call:
Handset 1:
Press .

- The transfer is completed.
  Handset 2 can answer the call.

OR

Ending the intercom:
Handset 1:
Press INT'.

- Handset 1 returns to the call.

Transferring a call without the intercom

This feature enables you to transfer the call to another handset without waiting for the paged handset to answer.

Ex. Handset 1 is transferring a call to Handset 2.

1 Handset 1:
During a call, press INT' and enter the desired handset number. Then press to transfer the call.

- The call is put on hold.

2 Handset 2:
When the unit rings, press to answer the call.

- The transfer is completed.

- If the paged handset is not answered within 30 seconds, a ring tone sounds at the paging handset. The paging handset can return to the call by pressing .

Conference

During a call using the handset, you can make an intercom call to another handset and then combine the calls together to establish a conference call between handsets registered to the same base unit.

1 Handset 1:
During a call, press INT'. Then enter the desired handset number.

- The call is put on hold.
- If there is no answer, press INT' to return to the call.

2 Handset 2:
When the unit rings, press ☎ to answer.

3 Handset 1:
Press 3 to establish a conference call.

4 Handset 1 or 2:
Press ☎ to hang up the conference call.

Setting the Call Waiting Tone

If an incoming call has been received during an intercom between handsets, a call waiting tone sounds. You can choose whether or not this tone will sound. The factory preset is ON.

1 Press F.

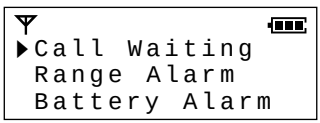
2 Press ▼ or ▲ until the arrow points to "Program".

3 Press OK►.

4 Press ▼ or ▲ until the arrow points to "Setting Handset".

5 Press OK►.

6 Press ▼ or ▲ until the arrow points to "Call Waiting".



7 Press OK►.

- The current setting is at the arrow.

8 Press ▼ or ▲ to select ON or OFF.

9 Press OK►.

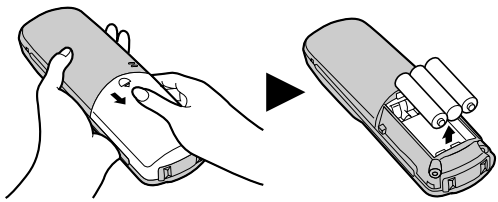
- A confirmation tone sounds.
- The display will return to "Call Waiting". To return to the stand-by mode, press C or wait for 60 seconds.

- You can exit the programming mode any time by pressing C.

Replacing the Batteries

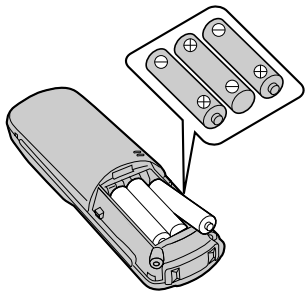
If " ▭ " flashes after a few telephone calls even when the handset batteries have been fully charged, it is time to replace the batteries with new ones. **Remember to charge the new batteries after replacement.**

1 Turn the power OFF to prevent memory loss (p. 12).
Remove the cover by sliding while pressing in the direction of the arrow, then take out the batteries.



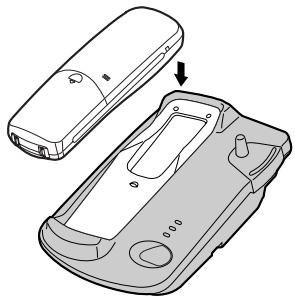
2 Replace the batteries with new ones as shown.

- When you finish, close the handset cover and turn the power ON (p. 12).



3 Be sure to charge the new batteries fully in order to display the battery icon correctly (p. 11).

Ni-Cd battery: For about 4 hours
Ni-MH battery: For about 8 hours



- Discard defective batteries as soon as possible. Defective batteries may leak into the unit.
- Please use only Panasonic P-03H or P-P03S batteries.
- If the rechargeable batteries are not inserted correctly, the handset will not work.
- At the end of its useful life, the Nickel-Cadmium battery must be disposed of properly.
- Nickel metal hydride (Ni-MH) rechargeable batteries (AAA size) are available. Please use only Panasonic HHR-P03H batteries.

Caution:

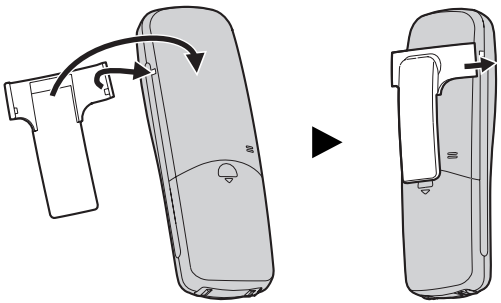
To reduce the risk of fire or injury to persons, read and follow these instructions.

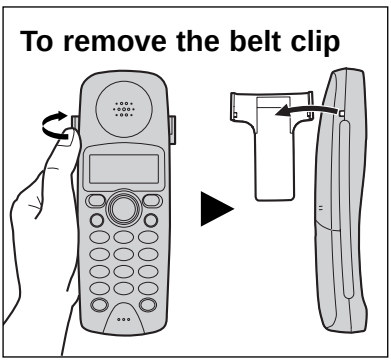
1. Use only the batteries specified.
2. Do not use non-rechargeable batteries.
3. Do not mix old and new batteries.
4. Do not dispose of the batteries in a fire. They may explode. Check with local waste management codes for special disposal instructions.
5. Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
6. Exercise care in handling the batteries in order not to short the batteries with conductive materials such as rings, bracelets, and keys. The batteries and/or conductor may overheat and cause burns.
7. Charge the batteries provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

• Read “Important Notice Concerning the Correct Use and Charging of Ni-Cd (Ni-MH) Batteries” on page 60.

Using the Belt Clip

You can hang the handset on your belt or pocket using the belt clip.





Before Requesting Help

Problem	Remedy
The unit does not work.	• Turn the power ON (p. 12). • Check the settings (p. 9–15). • Charge the batteries fully (p. 11). • Clean the charge contacts and charge again (p. 11). • Unplug the AC adaptor and turn the power OFF to reset. Plug in the AC adaptor and turn the power ON. Then try again. • The handset has been cancelled or has not been registered. Register the handset (p. 45). • Re-install the handset batteries and try again.
"Y" flashes and an alarm tone sounds when you press .	• You are too far from the base unit. Move closer and try again. • Plug in the AC adaptor.
A busy tone sounds when you press .	• Another handset is in use.
You cannot dial.	• Check that the dialling mode selection is correct (p. 13). • The unit is in call prohibition mode. Cancel the mode (p. 37). • The dialled number is restricted. Cancel the number (p. 39). • Key lock mode is set. Cancel the mode (p. 30).
"Y" flashes during a conversation and the call is disconnected.	• The handset is out of range. Move closer to the base unit and make the call again. • Plug in the AC adaptor.
Static, sound cuts in/out, fades. Interference from other electrical units.	• Locate the handset and base unit away from other electrical appliances (p. 5). • Move closer to the base unit.

Problem	Remedy
The handset does not ring.	• Turn the power ON (p. 12). • The ringer is set to OFF. Select the desired volume level (p. 14).
The base unit does not ring.	• The ringer is set to OFF. Set to HIGH, MEDIUM or LOW (p. 15).
You cannot program function items such as the dialling mode.	• Programming is not possible while the unit is in the talk or intercom mode. • Do not pause for over 60 seconds while programming.
You cannot store a name and phone number in the phonebook.	• You cannot store a name and phone number while the unit is in the talk or intercom mode. • Do not pause for over 60 seconds while storing.
While programming or searching, the unit starts to ring and stops the program/search.	• To answer the call, press [TALK]. Start again from the beginning after hanging up.
The unit does not display the caller's phone numbers.	• Other telephone equipment may be interfering with your phone. Disconnect it. Try again. • Other electrical appliances connected to the same outlet may be interfering with the Caller ID information. Telephone line noise may be affecting the Caller ID information.
The display goes to the stand-by mode while viewing the Caller List or phonebook.	• Do not pause for over 60 seconds while searching.
[INTERCOM] does not function.	• The handset is too far from the base unit. • The handset is engaged in an outside call or is viewing the Caller List or phonebook. Wait until the in use indicator ( ) light goes out.
You cannot redial.	• Access numbers entered after pressing [✱] will not be included when redialling. • If the last number dialled was more than 24 digits long, the number will not be redialled.

Problem	Remedy
The paged handset does not answer.	• The handset is not in the same radio area. • The handset is engaged in an outside call. • The handset has been cancelled or has not been registered. Register the handset in the base unit (p. 45).
While using the intercom, two tones sound.	• A call is being received. To answer, press twice.
The unit misdials when connected to a PBX.	• Check the pause function (p. 28).
You cannot register the handset in the base unit.	• The base unit has registered a maximum of 6 handsets or the handset has registered a maximum of 4 base units. • A wrong base unit password was entered. Enter the correct password. • There is interference from other electrical units. Locate the handset and base unit away from them. • You must finish registration within 1 minute after the ringer tone sounds, or programming will be cancelled (p. 45).
" " flashes or the unit beeps every 15 seconds.	• Charge the batteries fully (p. 11).
You charged the batteries fully, but " " flashes.	• Clean the charge contacts and charge again (p. 11). • Install new batteries (p. 54, 60).
The charge indicator ( ) light never goes out while charging.	• This is normal.

Safety Instructions

Take special care to follow the safety suggestions listed below.

Safety

1) The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
2) When the unit is not used, turn the power off. When left unused for a long period of time, the base unit should be unplugged from the household AC outlet.

Installations

Environment

1) Do not use this unit near water—for example, near a bathtub, washbowl, sink, etc. Damp basements should also be avoided.
2) The unit should be kept away from heat sources such as radiators, cookers, etc. It also should not be placed in rooms where the temperature is less than 5°C or greater than 40°C.

Placement

1) Do not place heavy objects on top of this unit.
2) Care should be taken so that objects do not fall onto, and liquids are not spilled into, the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.
3) Place the unit on a flat surface.

For best performance

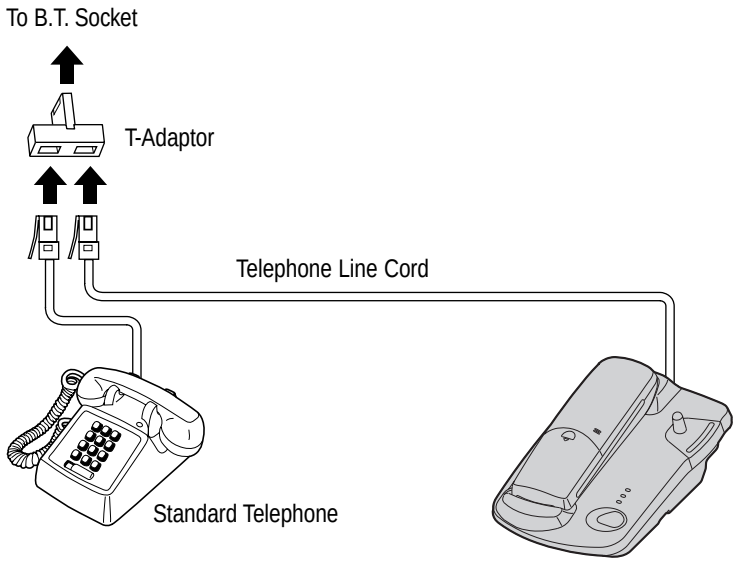
1) If noise prevents the conversation from being understood at the handset, move toward the base unit to reduce the noise.
2) The handset should be used at the HIGH volume setting when it is difficult to hear the other party.
3) The handset should be fully recharged on the base unit when " " on the display flashes.
4) The maximum calling distance may be shortened when the unit is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.

WARNING:

TO PREVENT THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.

Adding Another Phone

This unit will not function during a power failure. To connect a standard telephone on the same line, use a T-adaptor.



Important Notice Concerning the Correct Use and Charging of Ni-Cd (Ni-MH) Batteries

Batteries, due to their construction, undergo some wear and tear. The lifetime of a battery also depends on correct maintenance. Charging and discharging are the most important factors. You should take notice of the following to maintain the life of the battery as long as possible.
Ni-Cd (Ni-MH) batteries may experience a memory effect. If fully charged batteries are used several times only for 15 minutes in the handset and then recharged, the capacity of the batteries will be reduced to 15 minutes due to the memory effect. Therefore you should discharge the batteries completely, i.e. use them in the handset until " " on the display starts flashing. Then recharge them as described in the manual. After the memory effect has occurred, it is possible to achieve almost complete capacity of the Ni-Cd (Ni-MH) batteries by charging and discharging several times one after another.
Ni-Cd (Ni-MH) batteries can also self-discharge. This self-discharge depends on the ambient temperature. At temperatures under 0°C, the self-discharge will be the lowest. High humidity and high temperatures support the self-discharge. Also long-term storage will lead to self-discharge. A dead Ni-Cd (Ni-MH) battery should not be disposed of normally. They contain toxic heavy cadmium (metal hydride) and therefore should be recycled.

Dear purchaser,

You have acquired a KX-TCD955EC, which is a product made in regard with the European Standards for Cordless Telephones (DECT). DECT technology is characterised by high-security protection against interceptions as well as high-quality digital transmission.

This telephone was designed for a wide range of applications.

For example, this telephone can be used within a network of base units and handsets, constituting a telephone system which:

- operates up to 6 handsets at one base unit
- allows an intercom between 2 handsets
- allows the operation of a handset at up to 4 base units, expanding the communication radio area.

This telephone may be used for:

- operating several handsets
- operating at several base units
- connecting the base unit to a PBX.

Term Definitions

DECT

The abbreviation DECT means “Digital Enhanced Cordless Telecommunications”.

Advantages of DECT

Excellent voice quality: Through sampling of digital signals DECT units obtain nearly noiseless transmission.

High grade taping security: Based on digital transmission, DECT conversations are well protected against unapproved monitoring.

Multi-Handset operation: To operate several handsets at the base unit, no cable installation is required.

Interlink: Intercom conversation can be held free of charge between the registered handsets.

Functions like a PBX: More than one operation can be performed at the same time, like a PBX. eg., during an external call, an internal call or outside call can be transferred to another handset.

Multi-Base station operation: More than one handset can be registered to several base units, e.g., for private and office applications.

Equipment Manufacturer’s Code (EMC)

For identification, this unit is prepared with an EM Code, which can be applied to future operators in mobile networks.

GUARANTEE
CONDITIONS OF GUARANTEE

This guarantee is in addition to and does not in any way affect any statutory or other rights of consumer purchasers. If within the applicable guarantee period, the appliance proves to be defective by reason of faulty design, workmanship or materials, we undertake subject to the following conditions to have the defective appliance (or any part or parts there of) repaired or replaced free of charge.

1. The appliance shall have been purchased and used solely within the UK and in accordance with standard operating instructions and the technical and/or Safety Standards required in the UK.
2. The appliance should be returned together with this guarantee and proof of date of purchase promptly on being found defective at the purchaser's risk and expense to the authorised dealer from whom the appliance was purchased or to the nearest authorised dealer. All enquires must be through such dealers.
3. This guarantee shall not apply to damage caused through fire, accident, lightning, misuse, wear and tear, neglect, incorrect adjustment or repair, to damage caused through installation, adaption, modification or use in an improper manner or inconsistent with the technical and/or safety standards required in the country where this appliance is used, or to damage occurred during transit to or from the purchaser.
4. If at any time during the guarantee period any part or parts of the appliance are replaced with a part or parts not supplied or approved by us or of an objective quality safe and suitable for the appliance, or the appliance has been dismantled or repaired by any person not authorised by us, we shall have the right to terminate this guarantee in whole or in part immediately without further notice.
5. The purchaser's sole and exclusive remedy under this guarantee against us is for the repair or replacement of the appliance or any defective part or parts and no other remedy, including, but not limited to, incidental or consequential damage or loss of whatsoever nature shall be available to the purchaser.
6. This guarantee shall not apply to cassette tapes, batteries and any other items of limited natural life.
7. Our decision on all matters relating to complaints shall be final. Any appliance or defective part which has been replaced shall become our property.
8. The guarantee period applicable to this product shall be 12 months.

Please keep these Operating Instructions with your receipt.

Panasonic Business Systems U.K.

Receipt No.	Date of Purchase
Model No. **KX-TCD955EC**	Serial No.

MODEL No. KX-TCD955EC

CE0681X

CE

73/23/EEC
89/336/EEC
92/31/EEC
93/68/EEC

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